## ISSUE SLIP STAPLE AREA (for additional cross references)

| INITIALS | ID NO. | DATE     |
|----------|--------|----------|
| merzan   |        | 04-30-01 |
|          |        | 1/20     |
| 2        | 1128   | 18.16.01 |
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## INDEX OF CLAIMS

| v     | Rejected                | N   | Non-elected  |
|-------|-------------------------|-----|--------------|
| =     | Allowed                 | - 1 | Interference |
| _ (Th | rough numeral) Canceled | Α   | Appeal       |
| ÷     | Restricted              | 0   | Objected     |

| ÷ Restricted O Objected |     |           |                         |              |          |          |            |          |        |          |          |            |          |           |        |          |              |          |          |          |          |          |          |          |          |               |            |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
|-------------------------|-----|-----------|-------------------------|--------------|----------|----------|------------|----------|--------|----------|----------|------------|----------|-----------|--------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|------------|----------|-----------------|----------|----------|--------|----------|----------|----------|----------|---|--|---|-----|---------|---|---|---|---|
| _: <u>-</u>             |     |           |                         |              |          |          | Claim Date |          |        |          |          |            |          | $\neg$    | r      |          |              |          |          |          |          |          |          |          |          |               |            |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| Claim                   | H   | š         | 7                       | -            | Date     |          |            |          |        |          |          | Date       |          |           | Date   |          |              |          |          |          | ┨        | Cit      |          | Š        | <u> </u> | $\overline{}$ |            | Dat      | 8               |          | $\neg$   | $\neg$ | $\dashv$ | ŀ        | Cla      | _        | _ |  | _ | Dat | Le<br>T | _ | _ | _ | _ |
| Final<br>Original       | 1   | 3         | 12,0                    | 1            |          |          | ĺ          |          |        |          |          |            | =        | Original  | 121/2  | S        |              |          |          |          | 1        |          |          |          | -        | ᆵ             | Original   |          |                 |          |          |        |          |          | ŀ        | İ        |   |  |   |     |         |   |   |   |   |
| Final                   | 5   | 7         | 3                       | r            |          | ł        | ŀ          | l        | l      |          |          |            | F        | ŏ         | 2/     | F        | 1            |          |          |          |          |          |          |          |          | Final         | हैं।       | ŀ        |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| T                       |     | 7         | ₹                       | Г            |          | Τ        |            | 1        | Γ      |          | Г        | 1          | Г        | 51        | Y      | V        |              |          |          |          | П        |          |          | П        | ı        |               | 101        | $\top$   | П               | Т        |          | Г      | T        | Г        | Г        | Г        |   |  |   |     |         |   |   |   |   |
| 2                       |     | I         | Ĺ                       |              |          |          | Γ          |          |        |          |          | ]          |          | 52        |        |          | 1            |          |          |          |          |          |          |          | [        |               | 102        |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 3                       | П   |           | L                       | L            |          |          |            |          |        |          |          | ]          |          | 53        | L      | 1        | /            |          |          |          |          |          |          |          |          |               | 103        |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 4                       |     | 4         | 1                       | _            | L.       | L        | <u>Ļ</u>   | ╀_       | L      | ┞-       | _        |            | ┕        | 54        | Ų      | Ц        | <u>L</u>     | Ļ        | Ш        | _        |          | Ш        | Ш        | Ц        | .        | 4             | 104        | ╙        | Ш               |          |          | L      |          |          |          | $\vdash$ |   |  |   |     |         |   |   |   |   |
| 5                       | _   | 4         | +                       | ┡            | ļ.,      | <u> </u> | ╀          | ╀        | ┡      | ⊢        | <u> </u> | <b>∤</b> ′ |          | 55        |        | V        | L            | <u> </u> |          | _        | _        | Н        | Ц        | Н        | -        | _             | 105        | ↓_       | Н               |          | L.,      | L      | ┞        | <u> </u> | _        | L        |   |  |   |     |         |   |   |   |   |
| 6<br>7                  | Н   | +         | ╁                       | ┢            | ⊢        | ┝        | ╀          | ╀        | ┝      | ├        | ├-       | ┨          | $\vdash$ | 56<br>57  | _      | ⊢        | ⊢            | ⊢        | -        |          | Н        | -        |          | Н        | - 1      |               | 106<br>107 | ╀        | Н               | _        | -        | -      | ╀        | $\vdash$ | Н        | ⊢        |   |  |   |     |         |   |   |   |   |
| 8                       | Н   | Н         | +                       | ┢╌           | ┝        | ┝        | ╀          | ┝        | ┝      | ┢        | ┝        | ┨          | $\vdash$ | 58        | -      | ┝        | H            |          | H        |          | $\vdash$ | -        | Н        | Н        | ╌        |               | 108        | ╁        | Н               | _        |          | H      | ╁        | $\vdash$ | -        | -        |   |  |   |     |         |   |   |   |   |
| 9                       | -   | H         | †                       | <del> </del> | H        | ┢        | +          | ╁        | ┢      | ┢        | H        | 1          | $\vdash$ | 59        | Н      | H        | $\vdash$     | ┢        | $\vdash$ | _        | Н        | Н        | _        | Н        | ŀ        |               | 109        | t        | H               |          |          | -      | ╁        | _        |          | $\vdash$ |   |  |   |     |         |   |   |   |   |
| 10                      |     | H         | †                       |              | <u> </u> | 1        | Т          | 1        | †      | ✝        | $\vdash$ | 1          | $\vdash$ | 60        |        | Г        | T            |          | -        |          | Н        | Н        | Н        | Н        | ŀ        |               | 110        | T        | Н               |          |          | Н      | 1-       | Г        | Н        | ┢        |   |  |   |     |         |   |   |   |   |
| 11                      | П   | 1         | Ť                       |              | Г        | Г        |            | 1        | Τ      | 1        |          | 1          | Г        | 61        |        | Г        | Г            | Г        |          |          |          |          | П        | П        | ı        |               | 111        | ✝        | П               |          |          | Г      | Г        | П        |          | $\vdash$ |   |  |   |     |         |   |   |   |   |
| 12                      |     |           | T                       |              |          |          | Ι          |          |        |          |          | ]          |          | 62        |        |          |              |          |          |          |          |          |          |          |          |               | 112        |          |                 |          |          |        | T        |          |          | Г        |   |  |   |     |         |   |   |   |   |
| 13                      | -   | Ц         | 1                       | L            |          |          |            | L        | L      | oxdot    | L        | ]          |          | 63        |        |          |              |          |          |          |          |          |          |          |          |               | 113        |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 14                      | _   | Ц         | 1                       | <u> </u>     | L        | L        | ┸          | ↓_       | ┖      | <u> </u> | L        | 1          | $\perp$  | 64        |        | L        | 匚            | Щ        | Щ        |          |          | Щ        |          | Ц        | Ļ        |               | 114        | L        | Ш               |          |          | L      | L        |          |          |          |   |  |   |     |         |   |   |   |   |
| 15                      |     | Н         | 4                       | <b>—</b>     | <u> </u> | L        | ╄          | ┡        | L      | _        | ļ        | ļ          | $\vdash$ | 65        | _      | ļ.,      | _            | _        |          |          |          |          |          | Ц        | ŀ        |               | 115        | ┞        | Ш               |          | Ш        | L      | <u> </u> | Ш        | L        |          |   |  |   |     |         |   |   |   |   |
| 16<br>(17               |     | H         | $\overline{\mathbb{Q}}$ | -            | -        | ⊢        | ╄          | ╄        | ┞      | -        | -        | ł          | $\vdash$ | 66<br>67  |        | ┝        | H            |          |          | Щ        | Н        | Н        | _        | Н        | ŀ        |               | 116<br>117 | ⊢        | Н               |          | L        | _      | ⊢        | Н        | $\vdash$ | _        |   |  |   |     |         |   |   |   |   |
| 18                      | f¥  | H         | <u>v</u>                | ⊢            | ┝        | ┝        | ╁          | ⊬        | ├-     | ⊢        | ⊢        | ł          | -        | 68        |        | ├-       | ├            | -        | Η.       |          | Н        | Н        | _        | Н        | ŀ        |               | 118        | ╀        | Н               |          | -        | ┝      | H        | Н        | Н        | <u> </u> |   |  |   |     |         |   |   |   |   |
| 19                      | Н   | Н         | Ť                       | ├─           | -        | ┝        | ╁          | ╁        | 十      | ┢        | ┝        | ł          | $\vdash$ | 69        |        | ┝        | ┢            |          | Н        | _        | Н        | H        | -        | Н        | ŀ        |               | 119        | ╁        | Н               |          | $\vdash$ | -      | -        | Н        | Н        | $\vdash$ |   |  |   |     |         |   |   |   |   |
| 20                      | _   | H         | +                       | 一            | ┢        | H        | H          | Н        | t      | H        | ┝        | ł          | $\vdash$ | 70        | -      | H        | H            | -        | Н        |          | -        | Н        | ┪        | Н        | ŀ        | _             | 20         | ╁╌       | Н               | -        | $\vdash$ | ┝      | -        | Н        | Н        | Н        |   |  |   |     |         |   |   |   |   |
| 21                      | Н   | H         | +                       | ╁╴           | H        | ┢        | H          | ⊢        | ┢      | -        | ┝        | i          | -        | 71        |        | ┝        | ┝            | Н        | Н        | -        |          | Н        | -        | Н        | ŀ        |               | 121        | ╁        | Н               | _        |          | _      | $\vdash$ | $\vdash$ | _        | -        |   |  |   |     |         |   |   |   |   |
| 22                      | Н   | H         | t                       | 1            | ┢        | ╁        | 1          | ┢        | ⊢      | Н        | H        | i          | Н        | 72        |        | -        | -            | H        | Н        | -        |          | $\vdash$ | -        | Н        | ŀ        |               | 122        | ╁        | Н               | _        | $\vdash$ | -      |          | П        |          | _        |   |  |   |     |         |   |   |   |   |
| 23                      | П   | H         | t                       | Г            | -        | T        | T          | t        | H      | $\vdash$ | Н        | 1          | $\vdash$ | 73        |        | _        |              | Н        | Н        |          |          |          |          | Н        | ŀ        |               | 123        | ✝        | Н               |          |          | _      | 1        |          |          | Г        |   |  |   |     |         |   |   |   |   |
| 24                      | П   | IT        | T                       |              |          | Г        | T          | Г        | T      | Г        | Г        | 1          |          | 74        |        |          |              |          | П        |          |          | $\Box$   |          | П        | ı        |               | 124        | Т        | П               |          |          | Т      |          | П        |          |          |   |  |   |     |         |   |   |   |   |
| 25                      |     | Π         |                         |              |          |          | Γ          | Γ        |        |          |          | 1          |          | 75        |        |          |              |          |          |          |          |          |          |          |          |               | 125        |          |                 |          | П        |        |          |          |          | П        |   |  |   |     |         |   |   |   |   |
| 26                      | П   |           |                         |              |          |          |            | $\Box$   | $\Box$ |          |          | ]          |          | 76        |        |          |              |          |          |          |          |          |          |          |          |               | 126        |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 27                      | Ц   | Ц         | L                       | _            | L        | L        | <u> </u>   | L        |        | Ĺ        |          | 1          |          | 77        |        | L        | L            |          |          |          | Ц        |          |          | Ш        | L        |               | 127        |          |                 |          | Ш        |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 28                      | Ц   | Ц         | L                       | L            | L        | L        | 丄          | ┡        | ┖      |          | ╙        |            | _        | 78        |        | _        | L            | Ш        | Ш        | _        | _        | _        | 4        | Ц        | L        |               | 128        |          | Ш               | _        | Ш        | L      | Щ        | Щ        |          | _        |   |  |   |     |         |   |   |   |   |
| 29                      | Н   | 4         | ┞                       | _            | L        | L        | ┞-         | ┞        | L      |          | <u> </u> | Į          | <u> </u> | 79        | _      | _        | $\vdash$     | Ш        |          | _        | $\dashv$ | $\dashv$ |          | Ц        | ŀ        | 4             | 29         | <u> </u> | Н               |          | Щ        |        | Щ        |          |          |          |   |  |   |     |         |   |   |   |   |
| 30                      | Н   | ╁         | ╀                       | H            | -        | H        | ┼-         | ╀        | ┢      | ⊢        | ⊢        | ł          | $\vdash$ | 80<br>81  | _      | _        | H            | Н        | -        | -        | $\dashv$ | $\dashv$ | ┦        | $\dashv$ | ŀ        |               | 130        | -        | Н               |          | Н        | L      | H        | Н        | Н        | H        |   |  |   |     |         |   |   |   |   |
| 32                      | H   | +         | ╁                       |              | -        | ┝        | ⊢          | ╁        | ┝      | -        | ⊢        | 1          | $\vdash$ | 82        | -      | _        | -            | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ┥        | $\dashv$ | ┝        |               | 131        | -        | $\vdash$        |          | Н        | ┝      | $\vdash$ | $\vdash$ | -        | $\vdash$ |   |  |   |     |         |   |   |   |   |
| 33                      |     | /         | 4                       | $\vdash$     | -        | ┝        | ┢          | ╁╌       | ┢      | $\vdash$ | -        | ł          | ⊢        | 83        | -      | _        | Η            | Н        | $\dashv$ | -        | $\dashv$ | -        | ┥        | $\dashv$ | ┟        | _             | 133        | ┢═       | Н               | _        | Н        | ┝      | $\vdash$ | $\dashv$ | -        | _        |   |  |   |     |         |   |   |   |   |
| 34                      | ī   | †         | Ÿ                       |              | -        | Т        | T          | 一        | ┪      |          | ┢        | ı          |          | 84        |        |          | Н            | Н        | Н        |          |          | $\dashv$ | ┪        | Ħ        | ŀ        |               | 134        |          | Н               |          | Н        | Н      | $\vdash$ | $\neg$   | ⋾        |          |   |  |   |     |         |   |   |   |   |
| 35                      | П   | 1         | T                       |              | _        | Т        | T          | Г        | T      | П        | Т        | ĺ          | П        | <b>65</b> |        |          |              |          |          |          | ヿ        | $\neg$   | ┪        | $\neg$   | ı        |               | 135        |          | Н               | _        |          |        |          | $\neg$   | ٦        | П        |   |  |   |     |         |   |   |   |   |
| 36                      |     | $\coprod$ | Ι                       |              |          |          |            |          |        |          |          | )          |          | 86        |        |          |              |          |          |          |          |          |          |          |          | 1             | 136        |          | П               |          |          |        |          | $\Box$   |          |          |   |  |   |     |         |   |   |   |   |
| 37                      | Ц   | Ц         | L                       |              |          |          |            |          |        |          |          |            |          | 87        |        |          |              |          |          | $\Box$   |          |          |          |          |          | _             | 137        |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 38                      | Н   | 4         | 1                       | L            | _        | L        | ┖          | <u> </u> | L      | Ц        | Ц        |            | Ц        | 88        | _      | _        | $oxed{\Box}$ |          | Ц        | _        | _        | _        | _        | Ц        | Ļ        |               | 38         | Ш        | Ц               |          |          |        | Ш        | Ц        |          |          |   |  |   |     |         |   |   |   |   |
| 39<br>40                | Н   | 4         | ╀                       | Н            |          | ļ.,      | ⊢          | L        | L      | Н        |          | ľ          | $\vdash$ | 89        | _      | <u> </u> |              |          | _        | 4        |          | -        |          | 4        | -  -     | 4             | 39         | 1        | Щ               |          |          |        | Ш        | ᅴ        | _        | $\vdash$ |   |  |   |     |         |   |   |   |   |
|                         | H   | 4         | ┞                       |              | _        | L        | ┝          | <u> </u> | L      | Н        | Н        |            | Н        | 90        |        | _        | _            | _        | -        | -        | -        | -        | 4        | -        | ŀ        | -             | 40         | Н        | $\vdash \dashv$ | _        | _        | _      | Н        | 4        | _        | Н        |   |  |   |     |         |   |   |   |   |
| 41                      | Н   | +         | H                       | Н            | _        | L        | ⊢          | _        | _      | Н        | Н        | Ì          |          | 91        | _      | _        | Н            |          |          |          | -        | -        | 4        | 4        | ŀ        |               | 141        | Ш        | Н               | _        | _        | L      | Н        | _        | 4        | Ц        |   |  |   |     |         |   |   |   |   |
| 43                      |     | ╫         | H                       | ⊢⊣           | _        | _        | ⊢          | ⊢        | -      | H        | _        |            | Н        | 92<br>93  |        |          | Н            | Н        | $\dashv$ | 4        |          | -        |          | -        | ŀ        | -[            | 143        | Н        | $\vdash$        |          |          |        | Н        | $\dashv$ |          | $\dashv$ |   |  |   |     |         |   |   |   |   |
| 44                      |     | ╫         | ┝                       | Н            | Н        | H        | ⊢          | $\vdash$ | ⊢      | Н        | _        |            | Н        | 94        | -      | H        | Н            | Н        | -        | $\dashv$ | $\dashv$ |          | ┥        | $\dashv$ | -        |               | 144        | Н        | $\vdash$        | $\dashv$ |          | _      | Н        | $\dashv$ | $\dashv$ | -        |   |  |   |     |         |   |   |   |   |
| 45                      | H   | ╢         | Н                       |              | Н        | ┝        | ╁          | ⊢        | ⊢      | Н        | H        |            | Н        | 95        | _      | _        | Н            | Н        | -        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | ┝        |               | 45         | Н        | H               | $\dashv$ | $\vdash$ | _      | Н        | $\dashv$ | $\dashv$ | $\dashv$ |   |  |   |     |         |   |   |   |   |
|                         | Ħ   | #         | 7                       | Н            |          | Н        | T          | _        | Н      | H        | Н        | 1          | Н        | 96        | ᅱ      | _        | H            | Н        | ᅥ        | ᅱ        | -        | 7        | ┪        | $\dashv$ | 十        | _             | 46         | Н        | $\vdash \vdash$ | $\dashv$ | $\vdash$ | Н      | Н        | ᅱ        | $\dashv$ | $\dashv$ |   |  |   |     |         |   |   |   |   |
| 49                      | ۲   | ٦         | V                       | П            |          | Т        | Г          | Г        | Г      | Н        | H        | l          | Н        | 97        | ┪      | $\Box$   | Н            | H        | $\dashv$ | ┪        | ┪        | 7        | ┪        | $\dashv$ |          | _             | 47         | H        | $\vdash$        | 7        | H        |        | Н        | ┪        | -        | $\dashv$ |   |  |   |     |         |   |   |   |   |
| 48                      | П   | Ī         | 1                       | ,            |          |          | Г          |          |        |          |          | ı          |          | 98        |        |          |              |          |          |          | _        | 7        | ╗        | _        | r        |               | 48         | П        |                 |          |          |        | П        | ╛        |          |          |   |  |   |     |         |   |   |   |   |
| 49                      | Ц   | Ţ         | I                       | $\square$    |          |          |            |          |        |          |          |            |          | 99        |        |          |              |          |          |          |          |          |          |          |          | ŀ             | 49         |          |                 |          |          |        |          |          |          |          |   |  |   |     |         |   |   |   |   |
| 50                      | JV. | 1         | V                       | Ц            | _ :      |          | Щ          | L        | L.,    | Ш        |          | l          |          | 100       | $\Box$ |          | Ш            |          |          |          | $\perp$  |          |          |          |          | _             | 50         | Ш        |                 | _]       |          |        |          | $\Box$   |          | ٦        |   |  |   |     |         |   |   |   |   |

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